



4

IMPLEMENTATION

4.1 Project Cost Estimates

For the purposes of implementation and funding, planning-level cost estimates are prepared for the public improvements identified in Section 3. Detailed project cost estimate worksheets for each proposed project are included as Appendix F. The projects and cost estimates are expected to be used by City staff to amend or update existing plans and secure funding as available for the various projects. The planning-level estimates include the following primary components:

- Direct construction costs (DCC)
- Design contingency (40% of DCC)
- Design fees (preliminary engineering, final engineering) (25% of DCC)
- Construction management (10% of DCC)
- Right-of-way acquisition (as needed)
- Total estimated project cost

Proposed projects are identified by project number, location, and description.

Project No. 1: SW 26th Street, SW Brant Street to SW Abalone Street

This project involves the following improvements:

- 5' sidewalk on the north side of SW 26th Street
- 5' striped bicycle lane on the south side of SW 26th Street

Table 4-1. SW 26th Street

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$30,000
Contingency (40%)	\$12,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$42,000</i>
Project Management, Engineering & Construction Management	\$10,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$52,000</i>
Total Project Right-of-Way	\$-
TOTAL ESTIMATED PROJECT COST	\$52,000
¹ All costs are in 2012 dollars.	

Project No. 2A:
SW 27th Street, SW Brant Street to SW Abalone Street

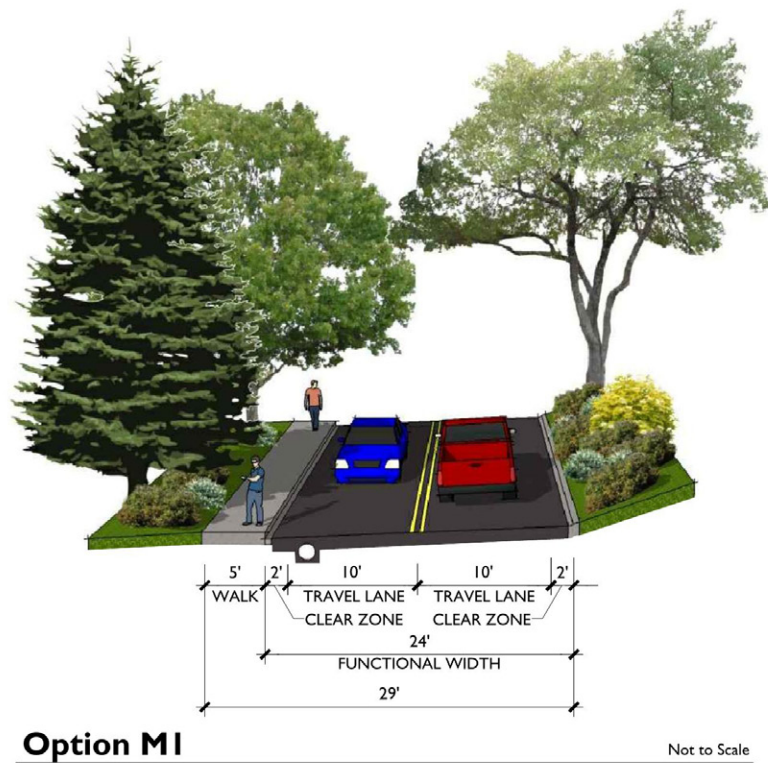
This project involves the following improvements:

- 24' roadway with two travel lanes
- 5' curbside sidewalk on north side
- Stormwater infrastructure

Table 4-2. SW 27th Street

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$83,000
Contingency (40%)	\$33,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$116,000</i>
Project Management, Engineering & Construction Management	\$29,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$145,000</i>
Total Project Right-of-Way	\$-
TOTAL ESTIMATED PROJECT COST	\$145,000
¹ All costs are in 2012 dollars.	

Proposed Design Section



Project No. 2B:
SW 27th Street, SW Coho Street to existing improvements

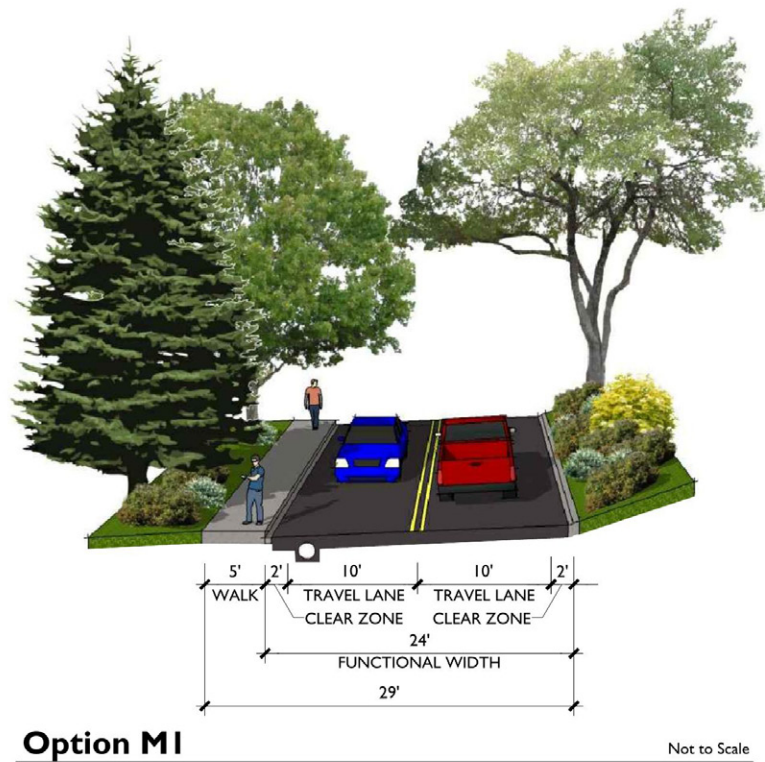
This project involves the following improvements:

- 24' roadway with two travel lanes
- 5' curbside sidewalk on north side
- Stormwater infrastructure

Table 4-3. SW 27th Street

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$58,000
Contingency (40%)	\$23,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$81,000</i>
Project Management, Engineering & Construction Management	\$20,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$101,000</i>
Total Project Right-of-Way	\$-
TOTAL ESTIMATED PROJECT COST	\$101,000
¹ All costs are in 2012 dollars.	

Proposed Design Section



Project No. 3A:
SW 28th Street, SW 27th Street to SW Brant Street

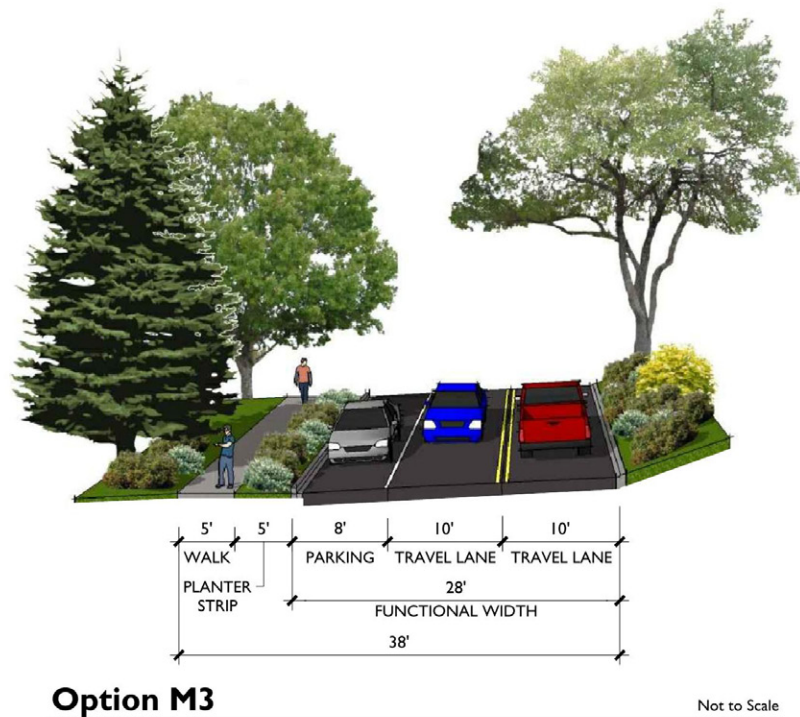
This project involves the following improvements:

- 28' wide roadway with two travel lanes and parking on west and south sides
- 5' separated sidewalk on west and south sides
- Stormwater, water, and sanitary sewer infrastructure
- Right-of-way acquisition

Table 4-4. SW 28th Street

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$290,000
Contingency (40%)	\$116,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$406,000</i>
Project Management, Engineering & Construction Management	\$102,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$508,000</i>
Total Project Right-of-Way	\$46,000
TOTAL ESTIMATED PROJECT COST	\$554,000
¹ All costs are in 2012 dollars.	

Proposed Design Section



**Project No. 3B:
SW 28th Street, SW Brant Street to SW Abalone embankment**

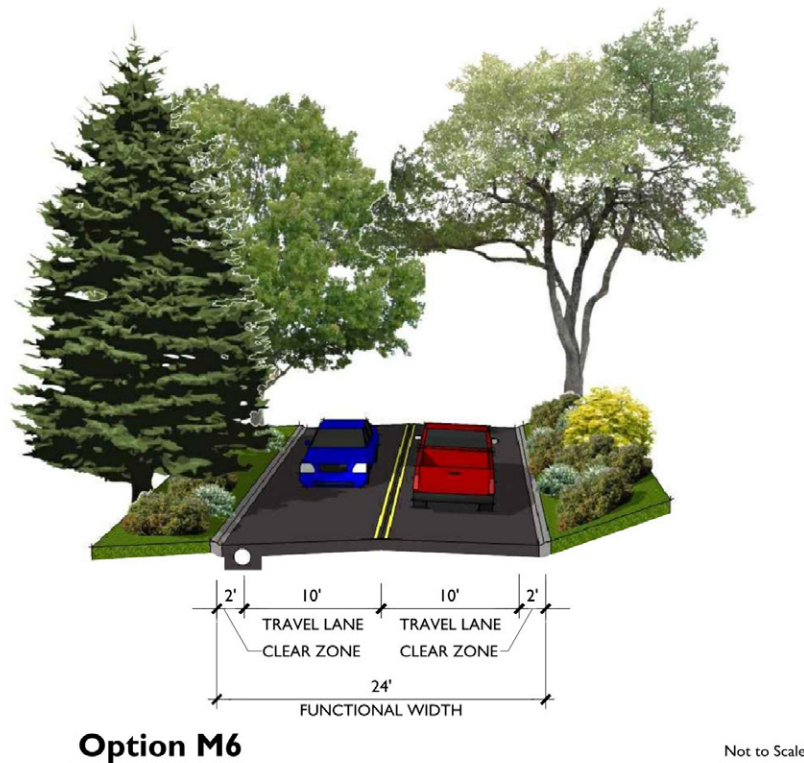
This project involves the following improvements:

- 24' wide roadway with two travel lanes
- Stormwater and water infrastructure
- Pedestrian stairs at SW Abalone Street

Table 4-5. SW 28th Street

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$173,000
Contingency (40%)	\$69,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$242,000</i>
Project Management, Engineering & Construction Management	\$61,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$303,000</i>
Total Project Right-of-Way	\$-
TOTAL ESTIMATED PROJECT COST	\$303,000
¹ All costs are in 2012 dollars.	

Proposed Design Section



Project No. 4:
SW 29th Street, SW Coho Street to SW Brant Street

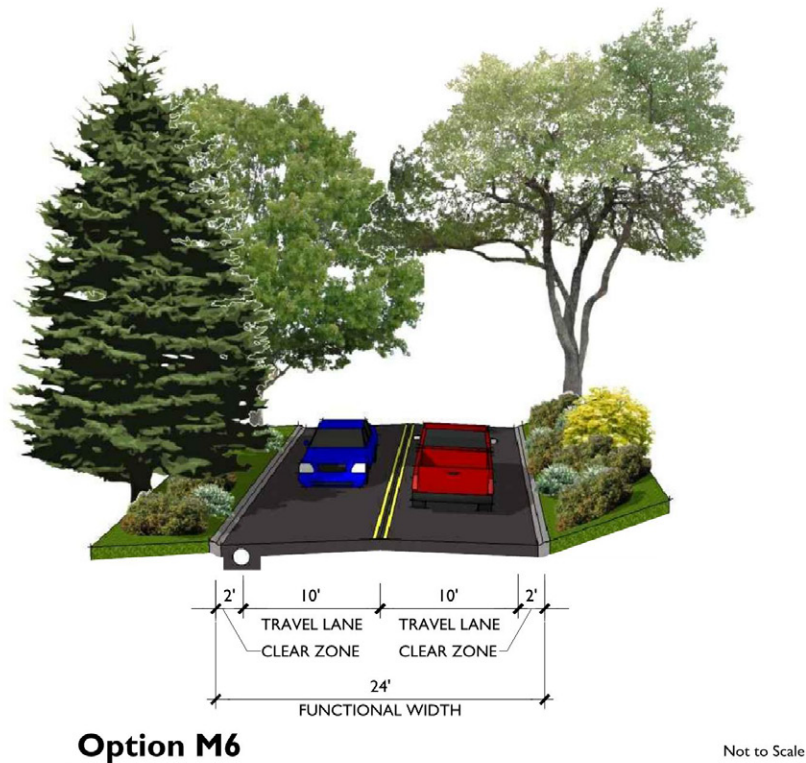
This project involves the following improvements:

- 24' roadway with two travel lanes
- Stormwater Infrastructure

Table 4-6. SW 29th Street

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$131,000
Contingency (40%)	\$52,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$183,000</i>
Project Management, Engineering & Construction Management	\$46,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$229,000</i>
Total Project Right-of-Way	\$-
TOTAL ESTIMATED PROJECT COST	\$229,000
¹ All costs are in 2012 dollars.	

Proposed Design Section



**Project No. 5:
SW 30th Street, SW Brant Street to SW Abalone Street**

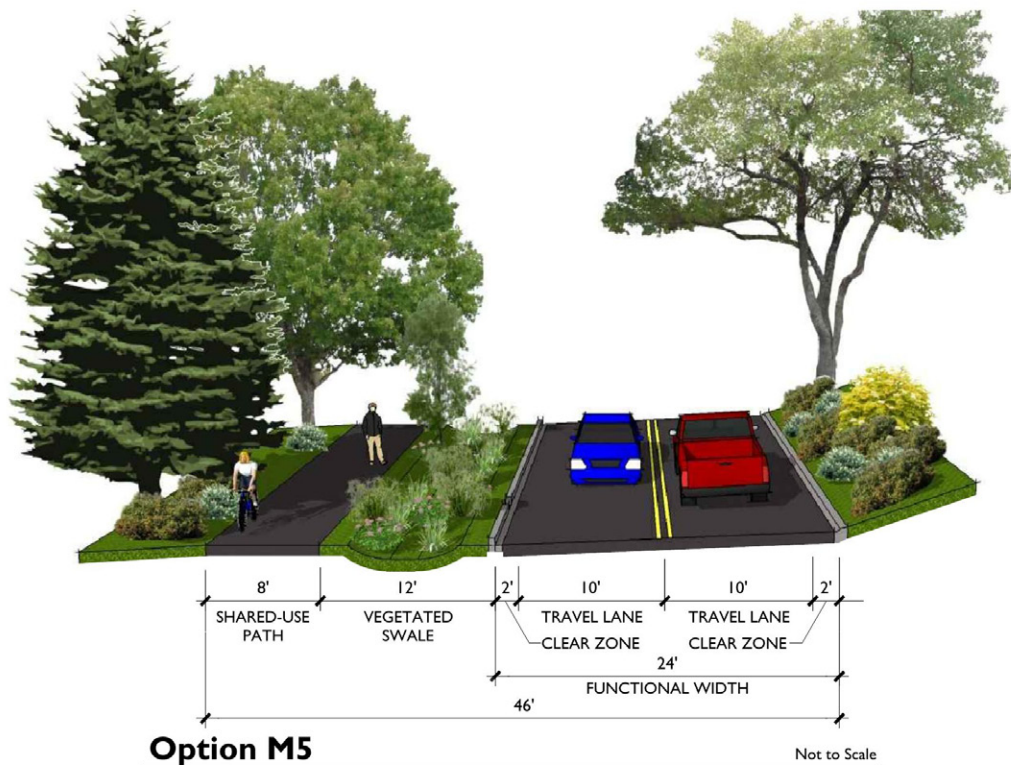
This project involves the following improvements:

- 24' roadway with two travel lanes
- 8' shared-use path
- Stormwater and water infrastructure
- Right-of-way acquisition

Table 4-7. SW 30th Street

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$168,000
Contingency (40%)	\$67,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$235,000</i>
Project Management, Engineering & Construction Management	\$59,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$294,000</i>
Total Project Right-of-Way	\$17,000
TOTAL ESTIMATED PROJECT COST	\$311,000
¹ All costs are in 2012 dollars.	

Proposed Design Section



Project No. 6:
SW Coho Street, SW 29th Street to SW 30th Street

This project involves the following improvements:

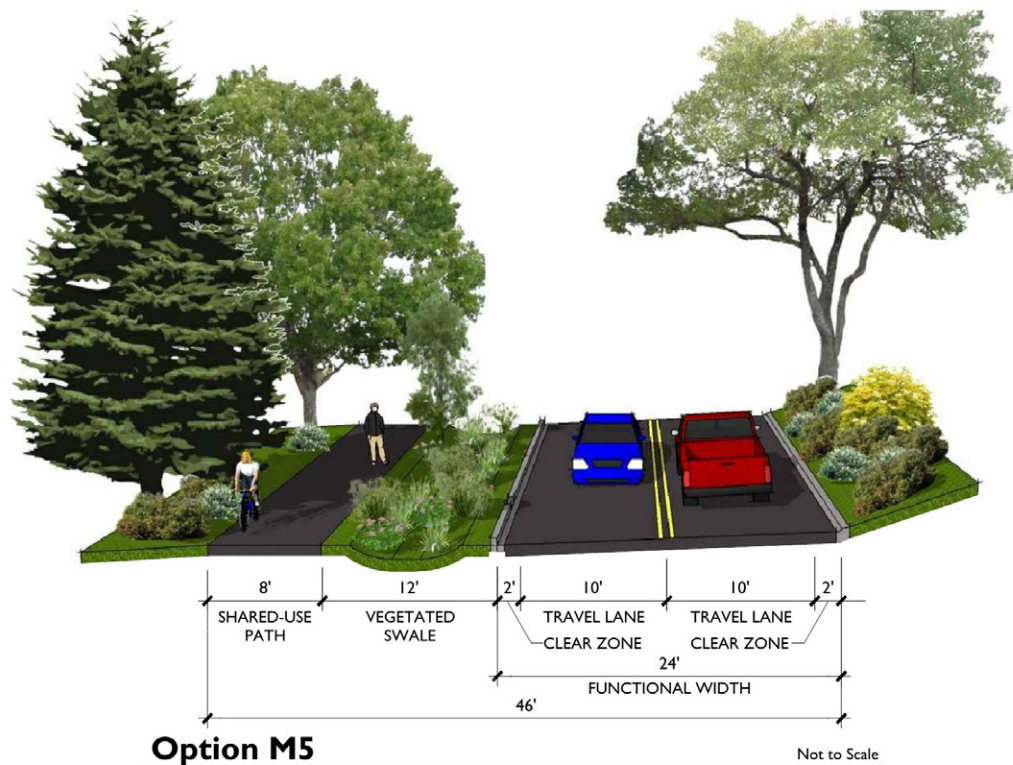
- 24' roadway with two travel lanes
- 8' separated shared-use path
- Stormwater infrastructure

Table 4-8. SW Coho Street

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$106,000
Contingency (40%)	\$42,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$149,000</i>
Project Management, Engineering & Construction Management	\$37,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$186,000</i>
Total Project Right-of-Way	\$-
TOTAL ESTIMATED PROJECT COST	\$186,000

¹ All costs are in 2012 dollars.

Proposed Design Section



**Project No. 7:
SW Brant Street, SW 27th Street to SW 30th Street**

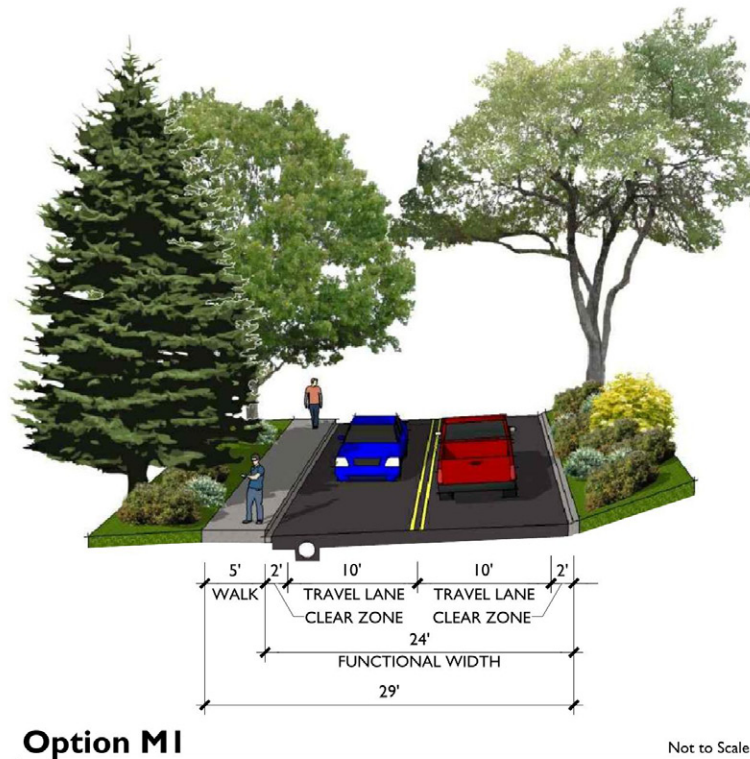
This project involves the following improvements:

- 24' - 28' wide roadway with two travel lanes and parking (SW 27th to SW 28th)
- 5' separated or curbside sidewalk
- Stormwater and water infrastructure

Table 4-9. SW Brant Street

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$404,000
Contingency (40%)	\$162,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$566,000</i>
Project Management, Engineering & Construction Management	\$141,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$707,000</i>
Total Project Right-of-Way	\$-
TOTAL ESTIMATED PROJECT COST	\$707,000
¹ All costs are in 2012 dollars.	

Proposed Design Section (SW 28th Street to SW 30th Street shown)



Project No. 8:
SW Abalone Street, SW 29th Street to Anchor Way

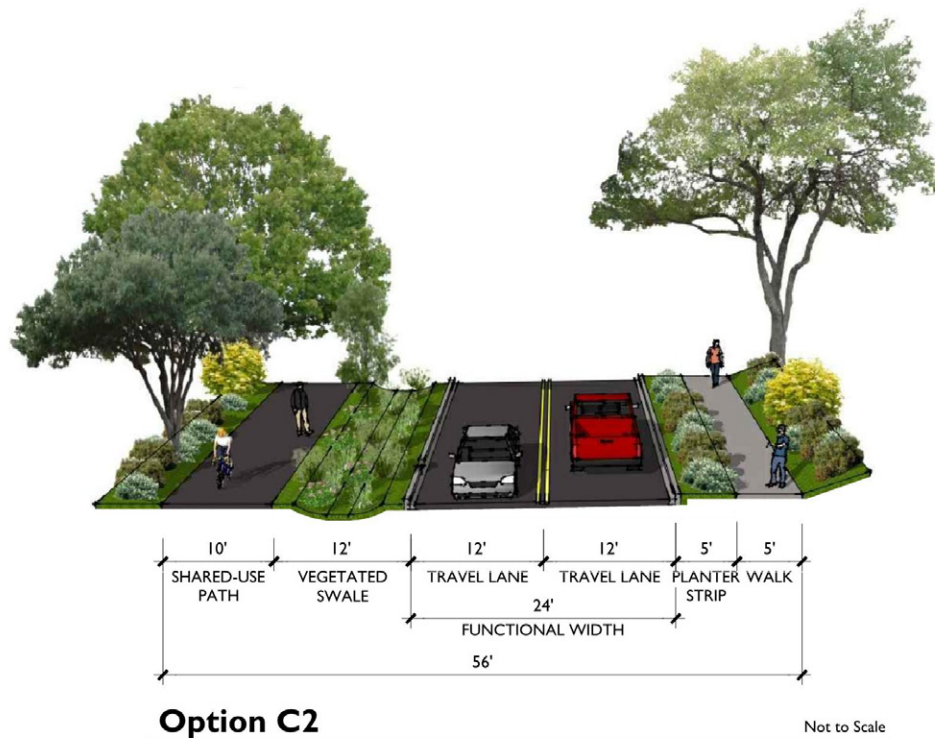
This project involves the following improvements:

- 24' roadway with two travel lanes
- 5' separated sidewalk with planter strip on east side
- 10' shared use path on west side
- Stormwater, water, and sanitary sewer infrastructure
- Street and path lighting
- Right-of-way acquisition as needed

Table 4-10. SW Abalone Street

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$878,000
Contingency (40%)	\$351,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$1,229,000</i>
Project Management, Engineering & Construction Management	\$307,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$1,537,000</i>
Total Project Right-of-Way	\$237,000
TOTAL ESTIMATED PROJECT COST	\$1,773,000
¹ All costs are in 2012 dollars.	

Proposed Design Section



Project No. 9:
Highway 101/SW 35th Street, Anchor Way to Ferry Slip Road

This project involves the following improvements:

Highway 101/35th Street Intersection

- Widen and improve intersection to accommodate additional lanes
- Signalize

SW 35th Street

- 36' wide roadway with two travel lanes and a center turn lane
- 8' parking lane on the south side
- 8' curbside sidewalks
- Stormwater infrastructure
- Street lighting
- Right-of-way acquisition as needed

SW Abalone Extension (Anchor Way to Highway 101)

- 36' roadway with two travel lanes and center turn lane
- 8' curbside sidewalk on north side
- 10' shared use path on south side
- Stormwater, water, and sanitary sewer infrastructure
- Street and path lighting
- Right-of-way acquisition as needed

Table 4-11. Highway 101/35th Street, Anchor Way to Ferry Slip Road

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$1,012,000
Contingency (40%)	\$405,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$1,417,000</i>
Project Management, Engineering & Construction Management	\$354,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$1,771,000</i>
Total Project Right-of-Way	\$205,000
TOTAL ESTIMATED PROJECT COST	\$1,977,000
¹ All costs are in 2012 dollars.	

**Project No. 10:
Highway 101 at SW 32nd Street**

This project involves the following improvements:

- Remove signal
- Implement right-in, right-out movements at SW 32nd Street

Table 4-12. Highway 101 at SW 32nd Street

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$109,000
Contingency (40%)	\$43,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$152,000</i>
Project Management, Engineering & Construction Management	\$38,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$190,000</i>
Total Project Right-of-Way	\$-
TOTAL ESTIMATED PROJECT COST	\$190,000
¹ All costs are in 2012 dollars.	

**Project No. 11:
SW Coho Street, SW 29th Street to Jetty Way**

This project involves the following improvements:

- 8' shared-use path

Table 4-13. SW Coho Street Shared-use Path

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$48,000
Contingency (40%)	\$19,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$68,000</i>
Project Management, Engineering & Construction Management	\$14,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$82,000</i>
Total Project Right-of-Way	\$-
TOTAL ESTIMATED PROJECT COST	\$82,000
¹ All costs are in 2012 dollars.	

Proposed Design Section



Option M7

Not to Scale

Project No. 12A:
SW Abalone Street, SW Marine Science Drive to SW Abalone Street extension

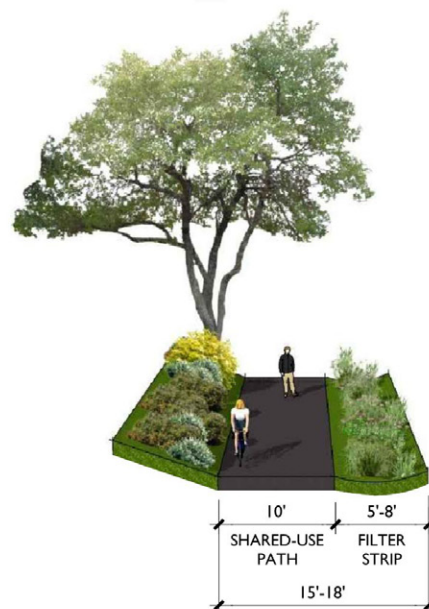
This project involves the following improvements:

- 10' shared-use path
- Path lighting

Table 4-14. SW Abalone Street Shared-use Path

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$191,000
Contingency (40%)	\$77,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$268,000</i>
Project Management, Engineering & Construction Management	\$57,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$325,000</i>
Total Project Right-of-Way	\$-
TOTAL ESTIMATED PROJECT COST	\$325,000
¹ All costs are in 2012 dollars.	

Proposed Design Section



Option M8

Not to Scale

Project No. 12B:
SW Abalone Street, SW Abalone Street extension to Highway 101

This project involves the following improvements:

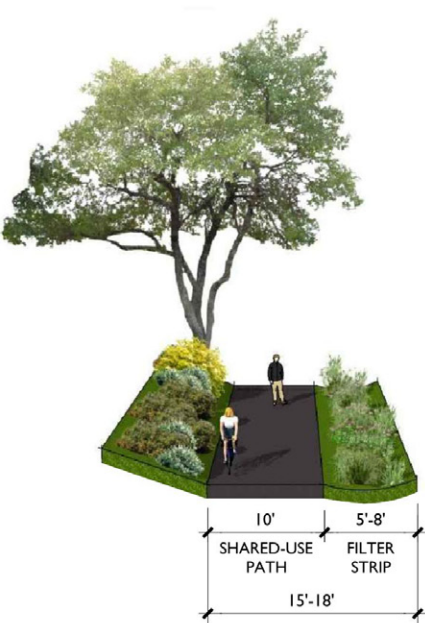
- 10' shared-use path
- Path lighting

Table 4-15. SW Abalone Street Shared-use Path

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$97,000
Contingency (40%)	\$39,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$136,000</i>
Project Management, Engineering & Construction Management	\$29,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$165,000</i>
Total Project Right-of-Way	\$-
TOTAL ESTIMATED PROJECT COST	\$165,000

¹ All costs are in 2012 dollars.

Proposed Design Section



Option M8

Not to Scale

Project No. 13:
Jetty Way, SW 26th Street to South Beach State Park

This project involves the following improvements:

- 10' shared-use path
- Path lighting

Table 4-16. Jetty Way Shared-use Path

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$286,000
Contingency (40%)	\$114,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$400,000</i>
Project Management, Engineering & Construction Management	\$86,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$486,000</i>
Total Project Right-of-Way	\$-
TOTAL ESTIMATED PROJECT COST	\$486,000
¹ All costs are in 2012 dollars.	

Project No. 14:
SW Dungeness Street to SW Abalone Street

This project involves the following improvements:

- Domestic fire, water, and storm drainage system upgrades

Table 4-17. Dungeness/Abalone Infrastructure Upgrades

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$182,000
Contingency (40%)	\$73,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$255,000</i>
Project Management, Engineering & Construction Management	\$64,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$318,000</i>
Total Project Right-of-Way	\$-
TOTAL ESTIMATED PROJECT COST	\$318,000
¹ All costs are in 2012 dollars.	

**Project No. 15:
SW 26th Street**

This project involves the following improvements:

- Sanitary sewer lift station upgrade

Table 4-18. SW 26th Street Sanitary Sewer Lift Station

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$63,000
Contingency (40%)	\$25,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$88,000</i>
Project Management, Engineering & Construction Management	\$22,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$110,000</i>
Total Project Right-of-Way	\$-
TOTAL ESTIMATED PROJECT COST	\$110,000
¹ All costs are in 2012 dollars.	

**Project No. 16:
SW 26th Street & SW Brant Street**

This project involves the following improvements:

- Water quality treatment and bypass structure

Table 4-19. SW 26th Street & SW Brant Street Water Quality Structure

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$48,000
Contingency (40%)	\$19,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$67,000</i>
Project Management, Engineering & Construction Management	\$17,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$84,000</i>
Total Project Right-of-Way	\$-
TOTAL ESTIMATED PROJECT COST	\$84,000
¹ All costs are in 2012 dollars.	

Project No. 17:
SW Abalone Street & SW 35th Street

This project involves the following improvements:

- Water quality treatment and bypass structure

Table 4-20. SW Abalone Street & SW 35th Street Water Quality Structure

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$48,000
Contingency (40%)	\$19,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$67,000</i>
Project Management, Engineering & Construction Management	\$17,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$84,000</i>
Total Project Right-of-Way	\$-
TOTAL ESTIMATED PROJECT COST	\$84,000
¹ All costs are in 2012 dollars.	

Project No. 18:
Coastal Gully Open Space

This project involves the following improvements:

- Trailhead, parking, trails, and boardwalks

Table 4-21. Coastal Gully Open Space

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$113,000
Contingency (40%)	\$45,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$159,000</i>
Project Management, Engineering & Construction Management	\$34,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$193,000</i>
Total Project Right-of-Way	\$-
TOTAL ESTIMATED PROJECT COST	\$193,000
¹ All costs are in 2012 dollars.	

**Project No. 19:
Yaquina Bay Bridge Open Space**

This project involves the following improvements:

- Reinforced lawn special event area
- Shared-use paths, basketball court, lawn areas, seating, shelters, public art, and landscaping

Table 4-22. Yaquina Bay Bridge Open Space

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$310,000
Contingency (40%)	\$124,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$434,000</i>
Project Management, Engineering & Construction Management	\$93,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$526,000</i>
Total Project Right-of-Way	\$-
TOTAL ESTIMATED PROJECT COST	\$526,000
¹ All costs are in 2012 dollars.	

**Project No. 20:
Safe Haven Hill**

This project involves the following improvements:

- Shared-use path, trail, and stairs
- Sidewalk on south and east sides
- Establish clearing zone and install disaster supply shed

Table 4-23. Safe Haven Hill

DESCRIPTION	COST
Construction Cost (DCC) ¹	\$328,000
Contingency (40%)	\$131,000
<i>Subtotal for Estimated Construction Costs</i>	<i>\$459,000</i>
Project Management, Engineering & Construction Management	\$98,000
<i>Subtotal for Estimated Project Cost (excluding Right-of-way)</i>	<i>\$557,000</i>
Total Project Right-of-Way	\$-
TOTAL ESTIMATED PROJECT COST	\$557,000
¹ All costs are in 2012 dollars.	

4.2 Project Prioritization

This section summarizes the planning-level cost estimates associated with the recommended public improvements projects. Table 4-24 provides a cost summary for Tier 1, Tier 2, and Tier 3 projects combined. Table 4-25 summarizes costs by project. The Design Team, with input from City staff, grouped the projects into Tier 1 (short-term, 0-5 years), Tier 2 (medium-term, 5-10 years) and Tier 3 (long-term, as funding is secured).

Table 4-24. Planning-level Cost Estimates for Tier 1, Tier 2, and Tier 3 Projects

PROJECT	PLANNING-LEVEL COST ESTIMATES
Tier 1	\$2,999,000
Tier 2	\$4,175,000
Tier 3	\$2,284,000
Total	\$9,458,000

IMPLEMENTATION

Table 4-25. Planning-level Cost Estimates Summary

PROJECT NO.	LOCATION	DESCRIPTION	TIER	COST
1	SW 26th Street, SW Brant Street to SW Abalone Street	Construct bike lane and sidewalk on north side.	2	\$52,000
2A	SW 27th Street, SW Brant Street to SW Abalone Street	Construct street with sidewalk on the north side.	1	\$145,000
2B	SW 27th Street, SW Coho Street to existing improvements	Construct street with sidewalk on the north side.	2	\$101,000
3A	SW 28th Street, SW 27th Street to SW Brant Street	Construct street with parking on west and south sides. Sidewalk on west and south sides. Acquire right-of-way as needed.	3	\$554,000
3B	SW 28th Street, SW Brant Street to SW Abalone Street embankment	Construct street with emergency access turnaround. Pedestrian stairs at east end.	3	\$303,000
4	SW 29th Street, SW Coho Street to SW Brant Street	Construct street.	3	\$229,000
5	SW 30th Street, SW Brant Street to SW Abalone Street	Construct street. Acquire right-of-way as needed.	1	\$311,000
6	SW Coho Street, SW 29th Street to SW 30th Street	Construct street with shared-use path on west side.	3	\$186,000
7	SW Brant Street, SW 27th Street to SW 30th Street	Construct street with parking on west side (SW 27th to SW 28th). Sidewalk on west side. Street lighting.	1	\$707,000
8	SW Abalone Street, SW 29th Street to Anchor Way	Construct street with shared-use path on west side. Sidewalk on east side. Acquire right-of-way as needed.	2	\$1,773,000
9	Highway 101/SW 35th Street, Anchor Way to Ferry Slip Road	Widen intersection to accommodate additional lane channelization and signalize. Construct street from Anchor Way to Ferry Slip Road.	2	\$1,977,000
10	Highway 101 at SW 32nd Street	Remove signal. Implement right-in, right-out movements at SW 32nd Street.	2	\$190,000
11	SW Coho Street, SW 29th Street to Jetty Way	Construct shared-use path.	2	\$82,000
12A	SW Abalone Street, SW Marine Science Drive to SW Abalone Street	Construct shared-use path. Path lighting.	1	\$325,000
12B	SW Abalone Street, SW Abalone Street extension to Highway 101	Construct shared-use path. Path lighting.	1	\$165,000
13	Jetty Way, SW 26th Street to South Beach State Park	Construct shared-use path. Path lighting.	3	\$486,000
14	SW Dungeness Street to SW Abalone Street	Domestic water, fire system, and storm drainage upgrades.	1	\$318,000
15	SW 26th Street	Sanitary sewer lift station upgrade.	1	\$110,000
16	SW 26th Street & SW Brant Street	Storm drainage improvements. Water quality treatment and bypass structure.	1	\$84,000
17	SW Abalone Street & SW 35th Street	Storm drainage improvements. Water quality treatment and bypass structure.	1	\$84,000
18	Coastal Gully Open Space	Construct trailhead, parking, trails, and boardwalks.	1	\$193,000
19	Yaquina Bay Bridge Open Space	Construct reinforced lawn special event area. Shared-use paths, basketball court, lawn areas, seating, shelters, public art, and	3	\$526,000
20	Safe Haven Hill	Construct shared-use path, trail, and stairs. Sidewalk on south and east sides. Establish clearing zone. Install disaster supply shed.	1	\$557,000
TOTAL PROJECT COST				\$9,458,000